

ABSTRACT

The microcavity is delineated by a cover which is formed on a sacrificial layer and in which at least one hole is formed for removal of the sacrificial layer. A plug covers the hole and part of the cover along the periphery of the hole. The plug is made from a material that can undergo creep deformation and can be a polymerized material, in particular selected from photoresists and polyimide, or glass, in particular selected from phosphosilicate glasses. A sealing layer is deposited on the plug and the cover such as to seal the microcavity hermetically. The hole has, for example, a dimension of less than 5 micrometers and is preferably arranged on the highest part of the microcavity. The plug can have a thickness of between 2 and 6 micrometers.